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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,341	07/14/2003	Naoya Hasegawa	9281-4603	6792
7	7590 11/30/2005		EXAMINER	
Brinks Hofer Gilson & Lione P.O. Box 10395			HEINZ, ALLEN J	
Chicago, IL			ART UNIT	PAPER NUMBER
	•		2653	
			DATE MAIL ED: 11/20/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/619,341	HASEGAWA ET AL.	
Office Action Summary	Examiner	Art Unit	
	A. J. HEINZ	2653	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet v	vith the correspondence addre	SS
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUN R 1.136(a). In no event, however, may a b. criod will apply and will expire SIX (6) MO latute, cause the application to become A	ICATION. I reply be timely filed INTHS from the mailing date of this commit ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 0	6 October 2005.	`	
•	This action is non-final.		
3) Since this application is in condition for allo	owance except for formal ma	tters, prosecution as to the me	erits is
closed in accordance with the practice und	er <i>Ex parte Quayl</i> e, 1935 C.	D. 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-8 is/are pending in the application 4a) Of the above claim(s) is/are with 5) Claim(s) 1,2 and 6-8 is/are allowed. 6) Claim(s) 3-5 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction are	drawn from consideration.		
Application Papers	•		
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	accepted or b) objected to the drawing(s) be held in abeya rection is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in a priority documents have been reau (PCT Rule 17.2(a)).	Application No n received in this National Sta	ge
Attachment(s)			
 Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 7/14/03. 	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-15)	2)

Art Unit: 2653

1. Applicant's election, with traverse, of the Group I invention[Cls.1-8] in Paper dated 10/6/05 is acknowledged.

- 2. The title of the invention should be amended to delete the portion of the Title directed to the method.
- 3. The following is a quotation of 37 CFR 1.71(a)-(c):
 - (a) The specification must include a written description of the invention or discovery and of the manner and process of making and using the same, and is required to be in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which the invention or discovery appertains, or with which it is most nearly connected, to make and use the same.
 - (b) The specification must set forth the precise invention for which a patent is solicited, in such manner as to distinguish it from other inventions and from what is old. It must describe completely a specific embodiment of the process, machine, manufacture, composition of matter or improvement invented, and must explain the mode of operation or principle whenever applicable. The best mode contemplated by the inventor of carrying out his invention must be set forth.
 - (C) In the case of an improvement, the specification must particularly point out the part or parts of the process, machine, manufacture, or composition of matter to which the improvement relates, and the description should be confined to the specific improvement and to such parts as necessarily cooperate with it or as may be necessary to a complete understanding or description of it.

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The specification is objected to under 37 CFR 1.71 and 37 CFR 1.75(d)(1) as failing to provide proper antecedent basis for the claimed subject matter. See MPEP \$608.01(o).

The reference to "an insulating layer" in claims 3-5 is incomplete because the specification identifies numerous and different insulating layers creating confusion as to which insulating layer is being referenced in the claims.

- 4. Claims 3-5 are rejected under 35 U.S.C. §112, first paragraph, as directed to subject matter which was not described in the specification in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention. See previous paragraph.
- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Carey, Redon and Gill show various magnetoresistive sensors utilizing antiferromagnetic layers which are laminated with insulating layers.

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6. For a complete response applicant should identify how the claimed structure of his invention defines over **all** the art of record.

Moreover, where the applicant disagrees with the reasoning and/or application of the prior art on critical points of the claims, they should identify how the claimed structure of their invention defines over **all** the art of record not just the applied art.

Where applicant believes that the art is redundant and/or superfluous relative to the critical aspects of the claimed invention the applicant may simply state so in rebuttal summary.

- 7. Claims 1,2,6-8 are allowed.
- 8. If applicant has filed an information disclosure statement and this instant office action does not contain an initialed-off copy (or copies) of all such filed IDS's (or at least a comment to the disposition of such IDS'S in the body of the office action itself) applicant should apprise the examiner of such missing documentation [to the IDS's] in response to this office action so that the examiner can take appropriate action to supply same to the applicant.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. J. HEINZ whose telephone number is (571) 272-7587. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM KORZUCH can be reached on (571)272-7589.

The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A. J. HEINZ Primary Examiner Art Unit 2653

S. J. Sting